

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20030169440"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L2	2	"20040085591"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L3	4242	(reduc\$3 decreas\$3) with image with noise and bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L4	784	358/3.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L5	55	L3 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L6	292	(reduc\$3 decreas\$3) with image with noise and bit and halfton\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L7	4	("5276726"   "5574212"   "5625137"   "5670719").PN. OR ("7130477").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25
L8	8	("4654721"   "5121447"   "5608821"   "5809177").PN. OR ("6449061").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25
L9	27	L4 and L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25

## EAST Search History

L10	1474	(reduc\$3 decreas\$3) with (noise bit) and noise and halfon\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L11	72	L4 and L10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L12	69266	(reduc\$3 decreas\$3) with (noise bit) and noise and bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L13	96	L4 and L12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L14	47	("4654721"   "4829587"   "4924322"   "5060284"   "5107346"   "5121447"   "5210602"   "5243445"   "5258854"   "5271070"   "5274472"   "5317653"   "5327256"   "5374997"   "5404176"   "5410615"   "5442461"   "5506699"   "5528384"   "5530561"   "5608821").PN. OR ("5809177"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25
L15	38	("43397764"   "4733230"   "4876610"   "4924322"   "4955065"   "4969052"   "5014333"   "5045952"   "5077615"   "5077812"   "5130823").PN. OR ("5317653"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25
L16	6	("5528339"   "5724456"   "5774599"   "6285798"   "6370265"   "6563945").PN. OR ("7116838"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25
L17	471	358/534.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25

## EAST Search History

L18	92	huang-yin-chun.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L19	71	"4955065"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L20	7	cheng-chung-wei.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L21	4242	(reduc\$3 decreas\$3) with image with noise and bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L22	784	358/3.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L23	1474	(reduc\$3 decreas\$3) with (noise bit) and noise and half\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L24	69266	(reduc\$3 decreas\$3) with (noise bit) and noise and bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L25	38	("43397764"   "4733230"   "4876610"   "4924322"   "4955065"   "4969052"   "5014333"   "5045952"   "5077615"   "5077812"   "5130823").PN. OR ("5317653"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25

## EAST Search History

L26	471	358/534.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L27	4	("5276726"   "5574212"   "5625137"   "5670719").PN. OR ("7130477").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25
L28	2	"20030169440"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L29	55	L21 and L22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L30	2	"20040085591"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L31	72	L22 and L23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L32	8	("4654721"   "5121447"   "5608821"   "5809177").PN. OR ("6449061").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25
L33	292	(reduc\$3 decreas\$3) with image with noise and bit and half\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L34	27	L22 and L33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25

## EAST Search History

L35	96	L22 and L24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L36	47	("4654721"   "4829587"   "4924322"   "5060284"   "5107346"   "5121447"   "5210602"   "5243445"   "5258854"   "5271070"   "5274472"   "5317653"   "5327256"   "5374997"   "5404176"   "5410615"   "5442461"   "5506699"   "5528384"   "5530561"   "5608821").PN. OR ("5809177"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25
L37	6	("5528339"   "5724456"   "5774599"   "6285798"   "6370265"   "6563945").PN. OR ("7116838"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25
L38	92	huang-yin-chun.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L39	71	"4955065"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L40	7	cheng-chung-wei.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L41	55	L21 and L22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L42	784	358/3.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25

## EAST Search History

L43	44	(reduc\$3 decreas\$3) near3 (bit color adj level) same (noise artifact) and halfon\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L44	1236	(reduc\$3 decreas\$3) with (bit color adj level) and halfon\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L45	38	L42 and L44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L46	36	("3244808"   "4667251"   "5111310"   "5323247"   "5341228"   "5477305").PN. OR ("5553200").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 17:25
L47	9	(reduc\$3 decreas\$3) with (image near noise) and ((reduc\$3 decreas\$3)near3 bit) and halfon\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L48	784	358/3.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L49	292	(reduc\$3 decreas\$3) with image with noise and bit and halfon\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:31
L50	27	L49 and L48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25

## EAST Search History

L51	194	(reduc\$3 decreas\$3) near2 bit same (noise near2 level)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L52	1	(reduc\$3 decreas\$3) near2 bit same (noise near2 level) and halfton\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:25
L53	0	358/427.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:32
L54	509	358/3.27.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:35
L55	561	358/3.06.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/10 17:35
S1	2	"20030169440"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 12:24
S2	2	"20040085591"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/04 12:12
S3	3970	(reduc\$3 decreas\$3) with image with noise and bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/04 12:22

## EAST Search History

S4	726	358/3.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:54
S5	53	S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/04 12:16
S6	276	(reduc\$3 decreas\$3) with image with noise and bit and halfton\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/04 14:57
S7	27	S4 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/04 12:25
S8	1379	(reduc\$3 decreas\$3) with (noise bit) and noise and halfton\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/04 15:35
S9	68	S4 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/04 15:00
S10	65641	(reduc\$3 decreas\$3) with (noise bit) and noise and bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/04 15:36
S11	90	S4 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/04 15:36
S12	4	("5276726"   "5574212"   "5625137"   "5670719").PN. OR ("7130477").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 16:27



## EAST Search History

S13	6	("5528339"   "5724456"   "5774599"   "6285798"   "6370265"   "6563945").PN. OR ("7116838").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 17:09
S14	8	("4654721"   "5121447"   "5608821"   "5809177").PN. OR ("6449061").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 17:20
S15	47	("4654721"   "4829587"   "4924322"   "5060284"   "5107346"   "5121447"   "5210602"   "5243445"   "5258854"   "5271070"   "5274472"   "5317653"   "5327256"   "5374997"   "5404176"   "5410615"   "5442461"   "5506699"   "5528384"   "5530561"   "5608821").PN. OR ("5809177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 17:32
S16	38	("43397764"   "4733230"   "4876610"   "4924322"   "4955065"   "4969052"   "5014333"   "5045952"   "5077615"   "5077812"   "5130823").PN. OR ("5317653").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 18:41
S17	71	"4955065"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 12:56
S18	457	358/534.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 12:57
S19	85	huang-yin-chun.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 12:58
S20	7	cheng-chung-wei.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 12:59

## EAST Search History

S21	2	"20030169440"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S22	2	"20040085591"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S23	4227	(reduc\$3 decreas\$3) with image with noise and bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S24	783	358/3.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S25	55	S23 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S26	292	(reduc\$3 decreas\$3) with image with noise and bit and half\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S27	4	("5276726"   "5574212"   "5625137"   "5670719").PN. OR ("7130477").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 18:46
S28	8	("4654721"   "5121447"   "5608821"   "5809177").PN. OR ("6449061").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 18:46
S29	27	S24 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46

## EAST Search History

S30	1473	(reduc\$3 decreas\$3) with (noise bit) and noise and half\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S31	72	S24 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S32	69060	(reduc\$3 decreas\$3) with (noise bit) and noise and bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S33	96	S24 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S34	47	("4654721"   "4829587"   "4924322"   "5060284"   "5107346"   "5121447"   "5210602"   "5243445"   "5258854"   "5271070"   "5274472"   "5317653"   "5327256"   "5374997"   "5404176"   "5410615"   "5442461"   "5506699"   "5528384"   "5530561"   "5608821").PN. OR ("5809177"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 18:46
S35	38	("43397764"   "4733230"   "4876610"   "4924322"   "4955065"   "4969052"   "5014333"   "5045952"   "5077615"   "5077812"   "5130823").PN. OR ("5317653"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 18:46
S36	6	("5528339"   "5724456"   "5774599"   "6285798"   "6370265"   "6563945").PN. OR ("7116838"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 18:46
S37	470	358/534.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46

## EAST Search History

S38	92	huang-yin-chun.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S39	71	"4955065"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S40	7	cheng-chung-wei.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:46
S41	55	S23 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 18:54
S42	783	358/3.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/04 11:04
S43	44	(reduc\$3 decreas\$3) near3 (bit color adj level) same (noise artifact) and halfton\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/04 14:44
S44	1234	(reduc\$3 decreas\$3) with (bit color adj level) and halfton\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/04 14:44
S45	38	S42 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/04 14:45

## EAST Search History

S46	36	("3244808"   "4667251"   "5111310"   "5323247"   "5341228"   "5477305").PN. OR ("5553200").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/04 18:05
S47	292	(reduc\$3 decreas\$3) with image with noise and bit and halfton\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/05 12:00
S48	783	358/3.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/05 11:31
S49	27	S47 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/05 11:31
S50	9	(reduc\$3 decreas\$3) with (image near noise) and ((reduc\$3 decreas\$3)near3 bit) and halfton\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/05 15:17
S51	193	(reduc\$3 decreas\$3) near2 bit same (noise near2 level)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/05 15:20
S52	1	(reduc\$3 decreas\$3) near2 bit same (noise near2 level) and halfton\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/05 15:21